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IN THE APPLICATION OF:
STEPHEN M. ALLEN ET AL.

CASE NO: BB1246 US PCT

APPLICATION NO.: 09/786,715

GROUP ART UNIT: UNKNOWN

FILED: MARCH 7, 2001

EXAMINER: UNKNOWN

FOR: THIOREDOXIN H HOMOLOGS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
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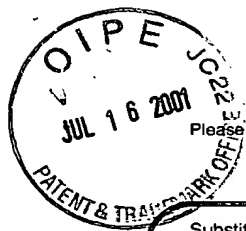
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Respectfully submitted,

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Application Number	09/786,715
Filing Date	March 7, 2001
First Named Inventor	Stephen M. Allen et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1246 US PCT

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		RENATA RIVERA-MADRID ET AL., PNAS, vol. 92:5620-5624, 1995, Evidence for five divergent thioredoxin h sequences in Arabidopsis thaliana	
		ISABELLE MARTY ET AL., Plant Mol. Biol., vol. 17:143-147, 1991, Nucleotide sequence of a cDNA encoding a tobacco thioredoxin	
		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: Z70677, 4/4/96, SZEDERKENYI, J. ET AL., cDNA expressed in Ricinus cotyledons	
		CHRISTOPHE BRUGIDOU ET AL., Mol. Gen. Genet., vol. 238:285-293, 1993, The Nicotiana tabacum genome encodes two cytoplasmic thioredoxin genes which are differently expressed	
		JINRUI SHI ET AL., Plant Mol. Biol., vol. 32:653-662, 1996, A novel plasma membrane-bound thioredoxin from soybean	
		BOB B. BUCHANAN ET AL., Arch. of Biochem. & Biophys., vol. 314(2):257-260, 1994, Thioredoxin: A multifunctional regulatory protein with a bright future in Technology and Medicine	
		MARIE-FRANCOISE GAUTIER ET AL., Eur. J. Biochem., vol. 252:314-324, 1998, Characterization of wheat thioredoxin h cDNA and production of an active Triticum aestivum protein in Escherichia coli	
		KAYO MAEDA ET AL., Eur. J. Biochem., vol. 154:197-203, 1986, Further characterization and amino acid sequence of m-type thioredoxins from spinach chloroplasts	
		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: A1736736, 6/18/99, SHOEMAKER, R. ET AL., Public Soybean EST Project	
		ARNE HOLMGREN, Ann. Rev. Biochem., vol. 54:237-271, 1985, Thioredoxin	

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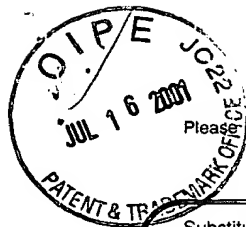
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		ARNE HOLMGREN, Curr. Biol., vol. 3:239-243, 1995, Thioredoxin structure and mechanism: conformational changes on oxidation of the active-site sulfhydryls to a disulfide	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 267122, 10/1/00, RIVERA-MADRID, R. ET AL., Nucleotide sequence of a cDNA clone encoding an Arabidopsis thaliana thioredoxin h	
		MARIAM SAHRAWY ET AL., J. Mol. Evol., vol. 42:422-431, 1996, Intron position as an evolutionary marker of thioredoxins and thioredoxin domains	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 267124, 10/1/00, MARTY, I. ET AL., Nucleotide sequence of a cDNA encoding a tobacco thioredoxin	
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